

## ABSTRACT

A multi-band antenna includes an insulative substrate (1) carrying a conductive element (2) and a coaxial cable (3). The conductive element includes a first radiating patch (22) resonating at a first frequency band and a second radiating patch (23) resonating at a second frequency band. The first radiating patch is spaced from the second radiating patch by a non-conductive gap (21). The coaxial cable comprises an inner conductor (31) and an outer conductor (32). The inner conductor electrically connects with the first radiating patch. The outer conductor electrically connects with the second radiating patch. The first and the second radiating patches function as grounding means for each other. The multi-band antenna, therefore, has a simple structure while maintains a wide-bandwidth characteristic.